

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/670,162	
			Filing Date	September 23, 2003	
			First Named Inventor	PAVLOVSKAIA, ELENA	
			Art Unit	2123	
			Examiner Name	Ayal I. Sharon	
Sheet	1	of	5	Attorney Docket Number	018563-004620US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number Number Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/AS/	AA	US-5,107,444	04-21-1992	Wu	
/AS/	AB	US-5,590,248	12-1996	Zarge et al.	
/AS/	AC	US-5,882,192	03-1999	Bergerson	
/AS/	AD	US-6,015,289	01-2000	Andreiko et al.	
/AS/	AE	US-6,044,309	03-2000	Honda	
/AS/	AF	US-6,049,743	04-2000	Baba	
/AS/	AG	US-6,054,990	05-11-1999	Stewart et al.	
/AS/	AH	US-6,205,243	03-2001	Migdal et al.	
/AS/	AI	US-6,210,162	04-2001	Chishtil et al.	
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/AS/	AK	US-6,217,334	04-17-2001	Hultgren	
/AS/	AL	US-6,244,861	06-12-2001	Andreiko et al.	
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/AS/	AN	US-6,315,553	11-13-2002	Sachdeva et al.	
/AS/	AO	US-6,318,994	11-2001	Chishtil et al.	
/AS/	AP	US-6,350,119	02-26-2002	Jordan et al.	
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/AS/	AR	US-6,369,815	04-09-2002	Celniker et al.	
/AS/	AS	US-6,371,761	04-2002	Cheang et al.	
/AS/	AT	US-6,409,504	06-2002	Jones et al.	
/AS/	AU	US-6,463,344	10-08-2002	Pavlovskaja et al.	
/AS/	AV	US-6,463,351	10-2002	Clynn	
/AS/	AW	US-6,471,512	10-2002	Sachdeva et al.	
/AS/	AX	US-6,512,984	01-28-2003	Sachdeva	
/AS/	AY	US-6,514,074	02-2003	Chishtil et al.	
/AS/	AZ	US-6,540,512	04-2003	Sachdeva et al.	
/AS/	BA	US-6,602,070	08-2003	Miller et al.	
/AS/	BB	US-6,633,789	10-2003	Nikolskiy et al.	
/AS/	BC	US-6,665,570	12-16-2003	Pavloskaia et al.	
/AS/	BD	US-6,688,886	02-2004	Hughes et al.	

Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
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FOREIGN PATENT DOCUMENTS								
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		Country Code ²	Number ⁴	Kind Code ³ (# in parentheses)				
/ASI/	BE	PCT	WO 98/32394		07-1998	Hultgren		<input type="checkbox"/>
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NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
/ASI/	BF	"Simulating Stress on Jaws: Ansys Inc's Finite Element Analysis Software," <i>Tooling & Production</i> , (November 1996).	<input type="checkbox"/>	
/ASI/	BG	BOHM et al., "A Survey of Curve and Surface Methods in CAGD," <i>Computer Aided Geometric Design</i> 1, pp. 1-80 (1984).	<input type="checkbox"/>	
/ASI/	BH	BOURKE, "Coordinate System Transformation," (June 1996) retrieved from the Internet << http://astronomy.swin.edu.au/~pbourke/projection/coords >>.	<input type="checkbox"/>	
/ASI/	BI	CARNAGHAN, "An Alternative to Holograms for the Portrayal of Human Teeth" 4th Int'l. Conf. on Holographic Systems, Components and Applications, pp.228-231, Sept. 15, 1993.	<input type="checkbox"/>	
/ASI/	BJ	Cyberware M15 3D Scanner. © 1998-2006, retrieved from the Internet: < http://www.headus.com/au/cyberware/m15.html >.	<input type="checkbox"/>	
/ASI/	BK	Definition for "Gingiva," retrieved from the Internet: << http://reference.com/search/search?q=gingiva >>.	<input type="checkbox"/>	
/ASI/	BL	DOYLE, "Digital Dentistry," <i>Computer Graphics World</i> , pp. 50-52 and 54 (October 2000).	<input type="checkbox"/>	
/ASI/	BM	DOYLE, "Doctors Use CAD/CAM to Take the Pain out of Extensive Dental Procedures," <i>Computer Graphics World</i> , 5 pages total (2000).	<input type="checkbox"/>	
/ASI/	BN	FOLEY et al., "Fundamentals of Interactive Computer Graphics", Addison-Wesley Publishing Co., 514-533. <i>copyright © 1982</i>	<input type="checkbox"/>	
/ASI/	BO	FÜTTERLING et al., "Automated Finite Element Modeling of a Human Mandible with Dental Implants," WSCG '98 -Conference Program, retrieved from the Internet: << http://wscg.zcu.cz/wscg98/papers98/Strasser_98.pdf >>, 8 pages total.	<input type="checkbox"/>	
/ASI/	BP	GAO et al., "3-D element Generation for Multi-Connected Complex Dental and Mandibular Structure," <i>Proc. Int'l. Workshop on Medical Imaging and Augmented Reality</i> , pp.267-271, June 12, 2001.	<input type="checkbox"/>	
/ASI/	BQ	HOJJATIE et al., "Three-Dimensional Finite Element Analysis of Glass-Ceramic Dental Crowns," <i>J. Biomech.</i> , 23(11):1157-1168 (1990).	<input type="checkbox"/>	
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				Examiner Name	Ayal I. Sharon
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Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
/ASI/	BR	MA, C.C. and CHEN, M.J., "Vertex-Based Shape Coding in Polar Coordinates for MPEG-4," Taiwan Area Network Conference, November 9-11, 1998, retrieved from the Internet: < http://tanet98.ndu.tw/TANET98/HOMEPAGE/paper/2b_1/2b_1.htm >.	<input type="checkbox"/>	
/ASI/	BS	MA, C.C. et al., "Efficient Shape Coding Algorithm for Object-Oriented Video in MPEG-4," Int'l. Conf. on Consumer Electronics (ICCE '99), June 22-24, 1999, pp. 174-175.	<input type="checkbox"/>	
/ASI/	BT	PAUL et al., "Digital Documentation of Individual Human Jaw and Tooth Forms for Applications in Orthodontics, Oral Surgery and Forensic Medicine" Proc. Of the 24th Annual Conf. of the IEEE Industrial Electronics Society (IECON '98), Sept. 4, 1998, pp. 2415-2418.	<input type="checkbox"/>	
/ASI/	BU	Raintree Essix, < http://www.essix.com/magazine/defaults.html > downloaded from Internet 08/13/97 Essix™ Appliances, 7 pages total.	<input type="checkbox"/>	
/ASI/	BV	REDMOND et al., "Clinical Implications of Digital Orthodontics" Am. J. Orthodont. Dentofacial Orthopedics, 117(2):240-242 (2000).	<input type="checkbox"/>	
/ASI/	BW	REKOW et al., "CAD/CAM for Dental Restorations - Some of the Curious Challenges," IEEE Transactions on Biomedical Engineering, 38(4):344-345 (April 1991).	<input type="checkbox"/>	
/ASI/	BX	REKOW et al., "Comparison of Three Data Acquisition Techniques for 3-D Tooth Surface Mapping," Annual International Conference of the IEEE Engineering in Medicine and Biology Society, (1991) Vol. 13, No. 1, pp. 344-345.	<input type="checkbox"/>	
/ASI/	BY	ROGERS, D. and ADAMS, A., <i>Mathematical Elements for Computer Graphics</i> , MacGraw Hill Publishing Co., 2d Ed. (pp. 426-450). <i>copyright © 1990</i>	<input type="checkbox"/>	
/ASI/	BZ	STAWSER, D. and CELLINI, J., "Training Manual of Ball State University Cyberware Model 15, 3-D Laser Scanner," December 16, 1999 retrieved from the Internet: < http://www.bsu.edu/classes/flowers2/training/m15/m15man.html >.	<input type="checkbox"/>	
/ASI/	CA	VERSTREKEN et al., "An Image-Guided Planning System for Endosseous Oral Implants," IEEE Transactions on Medical Imaging, 17(5):842-852 (October 1998).	<input type="checkbox"/>	
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/ASI/	CC	XIA et al., "Three-Dimensional Virtual-Reality Surgical Planning and Soft-Tissue Prediction for Orthognathic Surgery," IEEE Transactions on Information Technology in Biomedicine, 5(2):97-107 (June 2001).	<input type="checkbox"/>	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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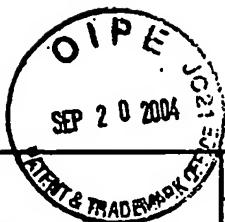
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/ASI/	CD	YAMANI, S.M. <i>et al.</i> , "A System for Human Jaw Modeling Using Intra-Oral Images," Proc. of the 20th Annual Conf. of the IEEE Eng'g. in Medicine and Biology Society," Vol. 2, pp. 563-566 (November 1, 1998).	<input type="checkbox"/>

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PTO/SB/08A (08-03)

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			Art Unit	2125	
			Examiner Name	Elliot L. Frank	
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U.S. PATENT DOCUMENTS+					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
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/AS/	BG	5,055,039	10-08-1991	Abbatte et al.	
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/AS/	BI	5,100,316	03-31-1992	Wildman	
/AS/	BJ	5,121,333	06-09-1992	Riley et al.	
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/AS/	BL	5,131,843	07-21-1992	Hilgers et al.	
/AS/	BM	5,131,844	07-21-1992	Marinaccio et al.	
/AS/	BN	5,139,419	08-18-1992	Andreiko et al.	
/AS/	BO	5,184,306	02-02-1993	Erdman et al.	
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/AS/	BP	5,186,623	02-16-1993	Breads et al.	
/AS/	BQ	5,257,203	10-26-1993	Riley et al.	
/AS/	BR	5,273,429	12-28-1993	Rekow et al.	
/AS/	BS	5,278,756	01-11-1994	Lemchen et al.	
/AS/	BT	5,338,198	08-16-1994	Wu et al.	
/AS/	BU	5,340,309	08-23-1994	Robertson	
/AS/	BV	5,342,202	08-23-1994	Deshayes	
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/AS/	BY	5,395,238	03-07-1995	Andreiko et al.	
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/AS/	CA	5,440,496	08-08-1995	Andersson et al.	
/AS/	CB	5,447,432	09-05-1995	Andersson et al.	
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/AS/	CD	5,454,717	10-03-1995	Andreiko et al.	
/AS/	CE	5,456,600	10-10-1995	Andreiko et al.	
/AS/	CF	5,474,448	12-12-1995	Andreiko et al.	
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/AS/	CH	5,533,895	07-09-1996	Andreiko et al.	
/AS/	CI	5,542,842	08-06-1996	Andreiko et al.	
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/AS/	CK	5,587,912	12-24-1996	Andersson et al.	
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/AS/	CS	5,975,893	11-02-1999	Chishtu et al.	

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/AS/	CT	EP	091,876	A1	10-19-1983	Duret		<input type="checkbox"/>
/AS/	CU	EP	299,490	A2	01-18-1989	Steinbichler et al.		<input type="checkbox"/>
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/AS/	CW	EP	490,848	B1	06-17-1992	Andersson et al.		<input type="checkbox"/>
/AS/	CX	EP	541,500	A1	06-12-1998	Andersson et al.		<input type="checkbox"/>
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			First Named Inventor	PAVLOVSKAIA, ELENA	
			Art Unit	2125	
			Examiner Name	Elliot L. Frank	
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			Examiner Name	Elliot L. Frank	
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Examiner Signature	/Ayal Sharon/	Date Considered	03/20/2007
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